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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/764,234	01/23/2004	Rajnish Batlaw	5729	8486
25280 Legal Departme	7590 07/01/200 ent (M-495)	EXAMINER		
P.O. Box 1926		MCDOWELL, SUZANNE E		
Spartanburg, SC 29304			ART UNIT	PAPER NUMBER
			1791	
			MAIL DATE	DELIVERY MODE
			07/01/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/764,234	BATLAW ET AL.				
Office Action Summary	Examiner	Art Unit				
	Suzanne E. McDowell	1791				
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address				
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>08 A</u>	oril 2008					
	action is non-final.					
'=						
closed in accordance with the practice under E	•					
Disposition of Claims						
4)⊠ Claim(s) <u>56,58,61-87,89 and 91-103</u> is/are pending in the application.						
4a) Of the above claim(s) 71,85 and 98 is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>56, 58, 61-70, 72, 75-84, 86, 87, 89, 91-97, 99-103</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct	ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) ∐ Interview Summary Paper No(s)/Mail Da					
3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal P					
Paper No(s)/Mail Date	6)					

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/8/08 has been entered.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-5, 16, 19-22 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sato (US Patent No. 3,944,643) in view of Edwards (US Patent No. 3,966,382). Sato ('643) teaches the basic claimed process of injection stretch blow molding of a polypropylene container including, providing a polypropylene based composition having a melt flow index of 7 g/10 min, injecting said composition into a mold to form a preform and removing said preform to be blow molded in a subsequent molding step (see Abstract and col. 5, lines 64- 67). Regarding claims 56, 72, 89, and 99, Sato does not teach a mold fill rate of 5-22 g/sec. However, it is noted that it is well known that the mold fill rate is dependent on the injection pressure, the resin viscosity, the resin temperature, the back-pressure and the sprue cross-section, hence it is submitted that the mold fill rate is a result effective variable. Therefore, it would have been obvious for one of ordinary skill in the art to have used routine

experimentation in the process of Sato ('643) to determine an optimum mold fill rate of 5-22 g/sec because it is well known that the mold fill rate is dependent on the injection pressure, the resin viscosity, the resin temperature, the back-pressure and the sprue cross-section, hence the mold fill rate being a result effective variable.

Further regarding claims 56, 72, 89, and 99, Sato ('643) does not teach the dimensions of the mold gate. Edwards ('382) teaches a mold gate of about 3 mm (see Figures 2-3). It would have been obvious to a person of ordinary skill in the art at the time of the invention to use the teachings of Edwards to modify the teachings of Sato, in order to more quickly and easily form the desired finished product. Both Sato and Edwards are in the same field of endeavor.

Further regarding claims 56, 72, 89, and 99, Sato ('643) does not teach a polypropylene preform wall thickness of 1.5-3.5 mm. However, Edwards ('382) teaches that the preform wall thickness depends on the type of resin, heating temperature, injection pressure. Hence, it is submitted that in view of the teachings of Edwards ('382), it would have been obvious for one of ordinary skill in the aft to have used routine experimentation to determine an optimum wall thickness in the process of Sato ('643) in view of Edwards ('382) because Edwards ('382) teaches that the preform wall thickness depends on the type of resin, heating temperature, injection pressure, hence teaching that the preform wall thickness is a result effective variable.

In regard to claim 58, Sato ('643) teaches an ethylene-propylene co-polymer (see col. 6, lines 23-24).

Regarding claims 67, 81, 94, and 102, Sato does not specifically teach the wall thickness of the finished container. This is a result-effective variable which depends upon the material used, process conditions, preform wall thickness, etc. It would have been obvious to a person of ordinary skill in the

art to use routine experimentation to modify the teachings of Sato in order to form the desired finished product.

In regard to claims 68-70, 82-84 and 95-97, it is noted that the productivity of a molding process is dependent on the material being processed and the molding parameters, hence being a result effective variable. Therefore, it would have been obvious for one of ordinary skill in the art to have used routine experimentation in the process of Sato ('643) in view of Edwards ('382) to determine an optimum production rate because it is well known that the productivity of a molding process is dependent on the material being processed and the molding parameters, hence being a result effective variable.

Regarding claims 64-66, 78-80, 89, 91-93, 99-101, it is submitted that the container of Sato ('643) in view of Edwards ('382) has a haze ratio of less than about 0.05 haze/mils because the same materials and process are being used as claimed in the instant invention and as such the resulting molded container has the same properties.

4. Claims 61-63, 75-77 and 103 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sato (US Patent No. 3,944,643)in view of Edwards (US Patent No. 3,966,382) and in further view of Schmidt et al. (US2004/0063830 A1). Sato ('643) teaches the basic claimed process as described above. Regarding claims 61-63, 75-77 and 103, Sato ('643) do not teach the use of a nucleating agent. However, the use of a nucleating agent to improve the transparency of the polypropylene molded container is well known as evidence by Schmidt et al. (US2004/0063830 A1) who teaches the use of DBS as a nucleating agent, specifically 1,3-2,4-dimethylbenzylidene (see paragraph [0004]). Therefore, it would have been obvious for one of ordinary skill in the art to have provided DBS as a nucleating agent as taught by Schmidt et al. (US2004/0063830 A1) in the process of Sato ('643) because Schmidt et al.

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(US2004/0063830 A1) teaches that DBS (nucleating agent) provides for improved transparency, hence

providing for an improved product.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Suzanne E. McDowell whose telephone number is (571) 272-1205. The examiner

can normally be reached on Tues, Thurs 8:30-4 and Weds 6-4:30. If attempts to reach the examiner by

telephone are unsuccessful, the examiner's supervisor, Christina Johnson can be reached on (571) 272-

1176. The fax phone number for the organization where this application or proceeding is assigned is

571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

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direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information system, call 800-786-

9199 (IN USA OR CANADA) or 571-272-1000.

/Suzanne E. McDowell/ Primary Examiner, Art Unit 1791

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June 23, 2008